

Amendments To The Claims:

Claims 1-42 (Canceled).

43. (Currently amended) A balloon for a medical device, the balloon being a presterilized balloon, characterized by a burst pressure of at least 9 atmospheres, a diameter at 3 atmospheres of about 2 mm or more, and an average compliance over the range of from 3 atmospheres to burst of at least 3% per atmosphere, wherein the balloon is formed from at least two concentric layers of different thermoplastic polymers.

Claims 44-47 (Canceled).

Please add the following claims:

48. (New) A balloon for a medical device made by the method of:  
forming a balloon for a medical device, (the balloon being presterilized) wherein a tubing of a thermoplastic polymer material is radially expanded under a first elevated pressure at an elevated temperature to form the balloon at a first diameter, the thermoplastic polymer material being a block copolymer material and the method including the further step of annealing the balloon at a second elevated temperature less than the first elevated temperature and a second pressure above ambient and less than the first elevated pressure for a time sufficient to shrink the formed balloon to a second diameter less than the first diameter, the balloon subsequently being mounted on a catheter.

new  
matter

new  
matter

49. (New) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 12 atmospheres, a diameter at 3 atmospheres of from about 1.5 to about 3.0 mm, and a diameter growth of at least 0.25 mm over the range of 3-12 atm.

50. (New) A balloon as in claim 49 wherein said diameter growth is at least 0.5 mm.

51. (New) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 12 atmospheres, a diameter at 3 atmospheres of

from about 3.25 to about 6.0 mm, and a diameter growth of at least 1.0 mm over the range of 3-12 atm.

52. (New) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 10 atmospheres, a diameter at 3 atmospheres of from about 6 to about 12 mm, and a diameter growth of at least 2 mm over the range of 3-10 atm.

53. (New) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 9 atmospheres, a diameter at 3 atmospheres of from about 12 to about 30 mm, and a diameter growth of at least 3 mm over the range of 3-9 atm.

54. (New) A balloon as in claim 53 wherein said diameter growth is at least 4 mm.

55. (New) A balloon for a medical device, the balloon being presterilized, characterized by an operating pressure to which the balloon may be safely inflated without bursting of at least 20 atmospheres, a diameter at 3 atmospheres of from about 1.5 to about 3.0 mm, and a diameter growth of at least 0.5 mm over the range of 3-12 atm.

56. (New) A balloon for a medical device, the balloon being presterilized, characterized by an operating pressure to which the balloon may be safely inflated without bursting of at least 20 atmospheres, a diameter at 3 atmospheres of from about 3.0 to about 6.0 mm, and a diameter growth of at least 1.0 mm over the range of 3-12 atm.

57. (New) A balloon for a medical device, the balloon being presterilized, characterized by an operating pressure to which the balloon may be safely inflated without bursting of at least 10 atmospheres, a diameter at 3 atmospheres of from about 6 to about 12 mm, and a diameter growth of at least 2 mm over the range of 3-10 atm.

58. (New) A balloon for a medical device, the balloon being presterilized, characterized by an operating pressure to which the balloon may be safely inflated without bursting of at least 9 atmospheres, a diameter at 3 atmospheres of from about 12 to about 30 mm, and a diameter growth of at least 3 mm over the range of 3-9 atm.

59. (New) A balloon as in claim 58 wherein said diameter growth is at least 4 mm.

60. (New) A balloon for a medical device, the balloon being presterilized, characterized by a burst pressure of at least 9 atmospheres, a diameter at 3 atmospheres of about 2 mm or more, and an average compliance over the range of from 3 atmospheres to burst of at least 3% per

atmosphere.

61. (New) A balloon as in claim 60 wherein said average compliance over the range of from 3 atmospheres to burst is at least 4% per atmosphere.

62. (New) A balloon as in claim 60 made from thermoplastic polymer material which is a block copolymer, a thermoplastic elastomer, a polymer blend, a random copolymer of rigid and flexible monomers, polyurethanes which have rigid and flexible portions, polyketones, polysulfides or a polyamide homopolymer or copolymer.

63. (New) A balloon as in claim 60 wherein said diameter at 3 atmospheres is about 5 mm or more.

64. (New) A balloon as in claim 60 wherein said diameter at 3 atmospheres is about 12 mm or more.

65. (New) In a method of treating a gastrointestinal lesion by inserting a catheter having a balloon thereon into the gastrointestinal tract, positioning the balloon at the lesion, inflating the balloon to accomplish treatment of the lesion, deflating the balloon and then withdrawing the catheter, the improvement wherein the balloon is a balloon as in claim 60.

66. (New) A method as in claim 65 wherein the catheter is inserted into the gastrointestinal tract, and withdrawn therefrom, through an endoscope.

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